

BGC Planning

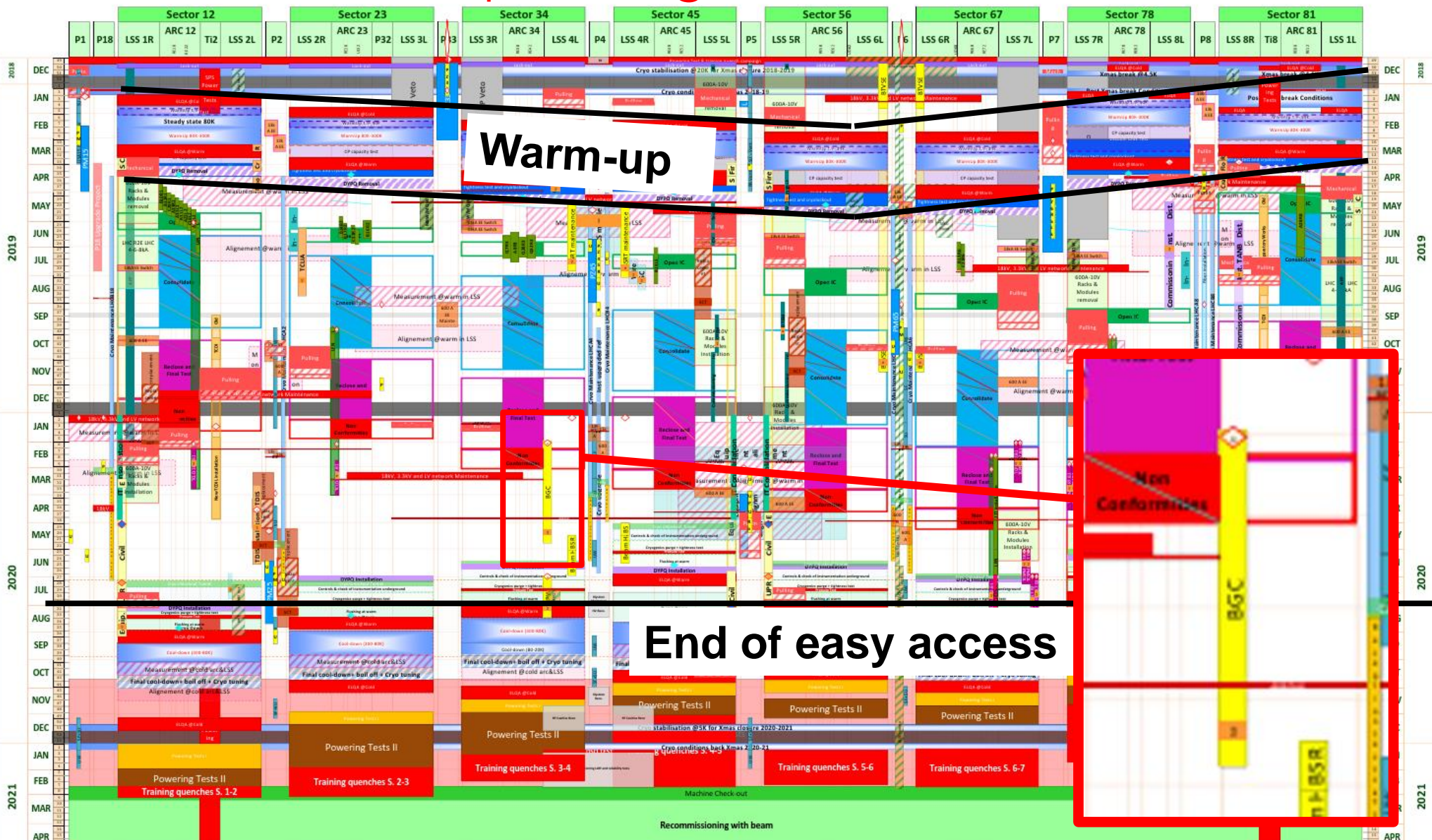
➤ Global LHC LS2 Planning

<https://espace.cern.ch/en-dep-mef-lpc/LS2/Global%20Schedules/Forms/AllItems.aspx>

➤ BGC Status

➤ BGC Roadmap to installation

Global LHC LS2 planning: Start 03.12.18



Warm-up

End of easy access

Non Conformities

Recommissioning with beam

2018
2019
2020
2021

DEC
JAN
FEB
MAR
APR
MAY
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Dates for LS2

- **Start: 03.12.2018, Progressive access, depending on point**
- **BGC work finished by June 2020 → Note limited flexibility on other services due to resources**
- **Difficult access as from August 2020**

BGC Status

- **Mechanical and optical design advanced, Decisions to lead to detailed and manufacturing design to be taken in this review or action plan**
- **Blackening studies advanced, several options, Decisions to be taken**
- **Start-off gas type defined: Neon**
- **Vacuum layout advanced, to be tested at CI**
- **Administration:**
 - **CERN Internal document to allow for BGC Stage1 installation approved: EDMS 2025553 including Safety Assessment Form EDMS 1936384**
 - **Stage 2 ECR to be made by February 2019**
- **Infrastructure: Cabling, Rack, Gas tube routing, Gas bottle position addressed and followed-up**

BGC Roadmap to Installation

**Collaboration Meeting
27/28 Nov 2018**

**Manufacturing Drawings
and ECR2 by Feb 2019**

**Production and Procurement
Start March 2019**

Surface coatings July 2019

V3 Assembly Oct 2019

HEL Test Stand Test Dec 2019

Tunnel installation Feb to May 2020

**Tunnel installations (Cables, Racks, Tubes, Holes on Tunnel Floor, Gas bottle, Pressure Reducers...)
Start July 2019, End February 2020**

**Only fully agreed and tested instrument will be installed in LHC.
Minimum requirement: Installation as per ECR 1**